4.10.1

* Docs  
  [User Manual](http://docs.google.com/userguide/userguide.html)  
  [Guides and Tutorials](https://guides.gradle.org)  
  [DSL Reference](http://docs.google.com/dsl/)  
  [Javadoc](http://docs.google.com/javadoc/)  
  [Release Notes](http://docs.google.com/release-notes.html)
* [Forums](https://discuss.gradle.org/)
* [Training](https://gradle.org/training/)
* [Try Gradle Enterprise](https://gradle.com/enterprise)
* [User Manual Home](http://docs.google.com/userguide/userguide.html)
* [DSL Reference Home](http://docs.google.com/dsl/)
* [Release Notes](http://docs.google.com/release-notes.html)
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  + [Methods](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#N126F6)
  + [Script blocks](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#N1271B)

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* [artifacts { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:artifacts(groovy.lang.Closure))
* [buildscript { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:buildscript(groovy.lang.Closure))
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* [subprojects { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:subprojects(groovy.lang.Closure))
* [publishing { }](http://docs.google.com/org.gradle.api.Project.html#org.gradle.api.Project:publishing(groovy.lang.Closure))

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* [IncludedBuild](http://docs.google.com/org.gradle.api.initialization.IncludedBuild.html)
* [Script](http://docs.google.com/org.gradle.api.Script.html)
* [JavaToolChain](http://docs.google.com/org.gradle.jvm.toolchain.JavaToolChain.html)
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* [ArtifactResolutionQuery](http://docs.google.com/org.gradle.api.artifacts.query.ArtifactResolutionQuery.html)
* [ComponentSelection](http://docs.google.com/org.gradle.api.artifacts.ComponentSelection.html)
* [ComponentSelectionRules](http://docs.google.com/org.gradle.api.artifacts.ComponentSelectionRules.html)
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* [ExtraPropertiesExtension](http://docs.google.com/org.gradle.api.plugins.ExtraPropertiesExtension.html)
* [PluginDependenciesSpec](http://docs.google.com/org.gradle.plugin.use.PluginDependenciesSpec.html)
* [PluginDependencySpec](http://docs.google.com/org.gradle.plugin.use.PluginDependencySpec.html)
* [PluginManagementSpec](http://docs.google.com/org.gradle.plugin.management.PluginManagementSpec.html)
* [ResourceHandler](http://docs.google.com/org.gradle.api.resources.ResourceHandler.html)
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* [IvyModuleDescriptorDescription](http://docs.google.com/org.gradle.api.publish.ivy.IvyModuleDescriptorDescription.html)
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* [MavenArtifact](http://docs.google.com/org.gradle.api.publish.maven.MavenArtifact.html)
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* [MavenPomDistributionManagement](http://docs.google.com/org.gradle.api.publish.maven.MavenPomDistributionManagement.html)
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* [Groovydoc](http://docs.google.com/org.gradle.api.tasks.javadoc.Groovydoc.html)
* [HtmlDependencyReportTask](http://docs.google.com/org.gradle.api.reporting.dependencies.HtmlDependencyReportTask.html)
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* [GenerateEclipseWtpComponent](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseWtpComponent.html)
* [GenerateEclipseWtpFacet](http://docs.google.com/org.gradle.plugins.ide.eclipse.GenerateEclipseWtpFacet.html)
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* [PrebuiltSharedLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltSharedLibraryBinary.html)
* [PrebuiltStaticLibraryBinary](http://docs.google.com/org.gradle.nativeplatform.PrebuiltStaticLibraryBinary.html)
* [NativeComponentSpec](http://docs.google.com/org.gradle.nativeplatform.NativeComponentSpec.html)
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* [NativeLibrarySpec](http://docs.google.com/org.gradle.nativeplatform.NativeLibrarySpec.html)
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* [NativeTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.NativeTestSuiteBinarySpec.html)
* [CUnitTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.cunit.CUnitTestSuiteBinarySpec.html)
* [GoogleTestTestSuiteBinarySpec](http://docs.google.com/org.gradle.nativeplatform.test.googletest.GoogleTestTestSuiteBinarySpec.html)
* [NativePlatform](http://docs.google.com/org.gradle.nativeplatform.platform.NativePlatform.html)
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* [CCompile](http://docs.google.com/org.gradle.language.c.tasks.CCompile.html)
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* [LinkExecutable](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkExecutable.html)
* [LinkSharedLibrary](http://docs.google.com/org.gradle.nativeplatform.tasks.LinkSharedLibrary.html)
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EclipseClasspath

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| API Documentation: | [EclipseClasspath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/EclipseClasspath.html) |
| --- | --- |

The build path settings for the generated Eclipse project. Used by the [GenerateEclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.GenerateEclipseClasspath.html) task to generate an Eclipse .classpath file.

The following example demonstrates the various configuration options. Keep in mind that all properties have sensible defaults; only configure them explicitly if the defaults don't match your needs.

apply plugin: 'java'  
apply plugin: 'eclipse'  
  
configurations {  
 provided  
 someBoringConfig  
}  
  
eclipse {  
 //if you want parts of paths in resulting file to be replaced by variables (files):  
 pathVariables 'GRADLE\_HOME': file('/best/software/gradle'), 'TOMCAT\_HOME': file('../tomcat')  
  
 classpath {  
 //you can tweak the classpath of the Eclipse project by adding extra configurations:  
 plusConfigurations += [ configurations.provided ]  
  
 //you can also remove configurations from the classpath:  
 minusConfigurations += [ configurations.someBoringConfig ]  
  
 //if you want to append extra containers:  
 containers 'someFriendlyContainer', 'andYetAnotherContainer'  
  
 //customizing the classes output directory:  
 defaultOutputDir = file('build-eclipse')  
  
 //default settings for downloading sources and Javadoc:  
 downloadSources = true  
 downloadJavadoc = false  
 }  
}

For tackling edge cases, users can perform advanced configuration on the resulting XML file. It is also possible to affect the way that the Eclipse plugin merges the existing configuration via beforeMerged and whenMerged closures.

The beforeMerged and whenMerged closures receive a [Classpath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/Classpath.html) object.

Examples of advanced configuration:

apply plugin: 'java'  
apply plugin: 'eclipse'  
  
eclipse {  
 classpath {  
 file {  
 //if you want to mess with the resulting XML in whatever way you fancy  
 withXml {  
 def node = it.asNode()  
 node.appendNode('xml', 'is what I love')  
 }  
  
 //closure executed after .classpath content is loaded from existing file  
 //but before gradle build information is merged  
 beforeMerged { classpath ->  
 //you can tinker with the Classpath here  
 }  
  
 //closure executed after .classpath content is loaded from existing file  
 //and after gradle build information is merged  
 whenMerged { classpath ->  
 //you can tinker with the Classpath here  
 }  
 }  
 }  
}

Properties

| Property | Description |
| --- | --- |
| [containers](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:containers) | The classpath containers to be added. |
| [defaultOutputDir](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:defaultOutputDir) | The default output directory where Eclipse puts compiled classes. |
| [downloadJavadoc](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:downloadJavadoc) | Whether to download and associate Javadoc Jars with the dependency Jars. Defaults to false. |
| [downloadSources](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:downloadSources) | Whether to download and associate source Jars with the dependency Jars. Defaults to true. |
| [file](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file) | See [EclipseClasspath.file(org.gradle.api.Action)](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file(org.gradle.api.Action)). |
| [minusConfigurations](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:minusConfigurations) | The configurations whose files are to be excluded from the classpath entries. |
| [plusConfigurations](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:plusConfigurations) | The configurations whose files are to be added as classpath entries. |

Methods

| Method | Description |
| --- | --- |
| [containers](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:containers(java.lang.String%5B%5D))(containers) | Further classpath containers to be added. |
| [file](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file(org.gradle.api.Action))(action) | Enables advanced configuration like tinkering with the output XML or affecting the way that the contents of an existing .classpath file is merged with Gradle build information. The object passed to the whenMerged{} and beforeMerged{} closures is of type [Classpath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/Classpath.html). |

Script blocks

| Block | Description |
| --- | --- |
| [file](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file(groovy.lang.Closure)) | Enables advanced configuration like tinkering with the output XML or affecting the way that the contents of an existing .classpath file is merged with Gradle build information. The object passed to the whenMerged{} and beforeMerged{} closures is of type [Classpath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/Classpath.html). |

Property details

[**Set**](http://download.oracle.com/javase/8/docs/api/java/util/Set.html)<[**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)> containers

The classpath containers to be added.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:[JRE container]

[**File**](http://download.oracle.com/javase/8/docs/api/java/io/File.html) defaultOutputDir

The default output directory where Eclipse puts compiled classes.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:*${project.projectDir}*/bin/default

boolean downloadJavadoc

Whether to download and associate Javadoc Jars with the dependency Jars. Defaults to false.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:false

boolean downloadSources

Whether to download and associate source Jars with the dependency Jars. Defaults to true.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:true

[**XmlFileContentMerger**](http://docs.google.com/dsl/org.gradle.plugins.ide.api.XmlFileContentMerger.html) file

See [EclipseClasspath.file(org.gradle.api.Action)](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file(org.gradle.api.Action)).

[**Collection**](http://download.oracle.com/javase/8/docs/api/java/util/Collection.html)<[**Configuration**](http://docs.google.com/dsl/org.gradle.api.artifacts.Configuration.html)> minusConfigurations

The configurations whose files are to be excluded from the classpath entries.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:[]

[**Collection**](http://download.oracle.com/javase/8/docs/api/java/util/Collection.html)<[**Configuration**](http://docs.google.com/dsl/org.gradle.api.artifacts.Configuration.html)> plusConfigurations

The configurations whose files are to be added as classpath entries.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

Default with eclipse and java plugins:project.configurations.testRuntime

Method details

void containers([**String**](http://download.oracle.com/javase/8/docs/api/java/lang/String.html)... containers)

Further classpath containers to be added.

See [EclipseClasspath](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html) for an example.

void file([**Action**](http://docs.google.com/javadoc/org/gradle/api/Action.html)<? super [**XmlFileContentMerger**](http://docs.google.com/dsl/org.gradle.plugins.ide.api.XmlFileContentMerger.html)> action)

Enables advanced configuration like tinkering with the output XML or affecting the way that the contents of an existing .classpath file is merged with Gradle build information. The object passed to the whenMerged{} and beforeMerged{} closures is of type [Classpath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/Classpath.html).

See [EclipseProject](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseProject.html) for an example.

Script block details

file { }

Enables advanced configuration like tinkering with the output XML or affecting the way that the contents of an existing .classpath file is merged with Gradle build information. The object passed to the whenMerged{} and beforeMerged{} closures is of type [Classpath](http://docs.google.com/javadoc/org/gradle/plugins/ide/eclipse/model/Classpath.html).

See [EclipseProject](http://docs.google.com/dsl/org.gradle.plugins.ide.eclipse.model.EclipseProject.html) for an example.

Delegates to:[XmlFileContentMerger](http://docs.google.com/dsl/org.gradle.plugins.ide.api.XmlFileContentMerger.html) from [file](http://docs.google.com/org.gradle.plugins.ide.eclipse.model.EclipseClasspath.html#org.gradle.plugins.ide.eclipse.model.EclipseClasspath:file)

**Docs**

* [User Manual](http://docs.google.com/userguide/userguide.html)
* [DSL Reference](http://docs.google.com/dsl/)
* [Release Notes](http://docs.google.com/release-notes.html)
* [Javadoc](http://docs.google.com/javadoc/)

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